

### III. REMARKS

1. Claims 1-16 are amended to address the objections raised by the Examiner and the 35 U.S.C. §112, second paragraph rejections. The changes merely correct grammatical and antecedent basis errors and do not further limit or narrow the scope of the claims.

With respect to the term "operational entity" in claims 2, 4, 9, 10 and 13, (item 4b) both claims 1, 8 and 11 recite "an operational entity" in the preamble. Thus, there is proper antecedent basis for the subsequent use in the dependent claims.

With respect to claim 16, line 2 recites "at least one application." Thus, there is proper antecedent basis for "the at least one application" on line 8.

2. Claims 1, 8, 11 and 16 are not unpatenable over Forsl w (U.S. Patent No. 6,608,832) and Titmoss (U.S. Patent No. 6,522,883) under 35 U.S.C. §103(a).

Claim 1 of Applicant's invention recites a method of allocating data transmission resources in a packet-switched telecommunications system including a terminal and a fixed network to which an operational entity is defined for defining resources for a radio bearer, the method comprising steps of: defining a compression method of header fields in data packets used on the radio bearer, and defining the radio bearer resources for the terminal on the basis of an application used by the

terminal on said radio bearer in such a manner that said resources also comprise the capacity required by the defined compression method of header fields in data packets.

This is not disclosed or suggested by the combination of Forsl w and Titmoss.

Forsl w is directed to a method for allocating capacity and quality of service of a GPRS radio bearer based on the properties of an application flow requesting the radio bearer. Depending on a type of the application requesting the radio bearer, it is determined whether the application is better suited for a circuit-switched or for a packet-switched connection. Then various quality of service parameters are optimally selected for the radio bearer (col. 10, l. 2 - 18). Finally, prior to transmission, if a packet-switched GPRS connection is selected, a subnetwork dependence convergence protocol (SNDCP) provides a compression of header fields of the data packets (col. 12, l. 29 - 34).

Thus, Forsl w discloses a method for an application-based capacity allocation, wherein the parameters of the radio bearer are defined first and then a compression method is defined for the headers of the data packets. Forsl w discloses an application-based capacity allocation, which is described in the present application as prior art, but Forsl w does not mention a situation where the capacity of a predetermined header field compression method would be taken into account when defining the radio bearer resources for the terminal as is claimed by Applicant. On the contrary, the only passage of Forsl w where the compression of header fields is disclosed is in col. 12, lines 29 - 34. Forsl w teaches here that a header compression method can

be defined only after defining the parameters of the radio bearer first. This is different than what is claimed by Applicant.

Consequently, Forsl w does not address the problem caused by using an application-based capacity allocation together with a header compression method, which requires a bi-directional connection. Forsl w neither teaches to solve the problem by defining a header compression method first and taking into account the capacity of the defined header field compression method, when defining the radio bearer resources for the terminal. Thus, Forsl w does not disclose or suggest at least these aspects of Applicant's invention.

The combination of Forsl w with Titmoss does not overcome the above-noted deficiencies.

Titmoss is directed to a system for routing information content in different communications networks, wherein limitations in delivering a high bandwidth signal to a low bandwidth mobile terminal are circumvented by directing the high bandwidth signal to a "nearby" terminal supporting a better representation of the signal. Titmoss does not discuss application-based capacity allocation or defining a header field compression method by any means.

Thus, the combination of Forsl w and Titmoss does not disclose or suggest each feature of Applicant's invention as claimed, and a prima facie case of obviousness is not established.

It is also submitted that there is also no motivation for purposes of 35 U.S.C. §103(a), to combine Forsl w with Titmoss to achieve and method of allocating data transmission resources in a

packet-switched telecommunications system, as claimed by Applicant.

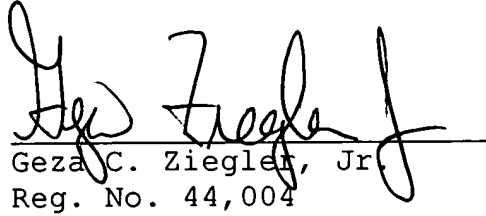
Forsl w is an application-based capacity allocation while Titmoss routes information content in different communications networks. There is no motivation to be found in either reference that would lead one to combine an application-based capacity allocation with a header compression method in order to define a compression method for header fields and then defining the radio bearing resources in such a manner that the resources comprise the capacity required by the defined compression method, as is recited by Applicant in the claims. Thus, a prima facie case of obviousness under 35 U.S.C. §103(a) is not established and claim 1 is not unpatentable over Forsl w in view of Titmoss pursuant to 35 U.S.C. §103(a).

Claims 8, 11 and 16 recite similar subject matter and should also be allowable for the above-stated reasons.

Applicant appreciates the Examiner's indication of the allowability of claims 2-7, 9-10 and 12-15, but believes that the claims should be allowable at least by reason of their respective dependencies, for the reasons stated above.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

  
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2 June 2005  
Date

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